

Evaluation of Ing. Jakub Novak's PhD study


PhD student Jakub Novak began the distance study at the Tomas Bata University on October 1st, 2002. Since January 1st, 2005 he has been engaged in the employment in the "Centre of Applied Cybernetics" and for that reason he changed the form of study from full-time to combined. From October 1st, 2003 till December 31st, 2004 he had been a member of the team in the project of Grant Agency of Czech Republic "TALENT – coordinated education of PhD students in automatic control and robotics domain". In principle, he passed the individual exams in virtual dates. He passed the state doctoral examination on June 23rd, 2005. During his study he tutored several courses on the Institute of Information Technology and after the foundation of the Faculty of Applied Informatics on this faculty. He participates on creation of the Physical model laboratory and development of the new course "Control of real processes" for students of the Master's degree study program. During his study he participate on the project of Ministry of Education MSM 281100001 „Automation of production processes and Technologies“ and on projects of Grant Agency of Czech Republic GAČR 102/02/0204 „Intelligent adaptive control design“ and GAČR 102/05/0271 „Methods of predictive control: algorithms and implementation. At present, he is involved in the solution of the project 1M05067 "Centre of Applied Cybernetics", which addresses the problems of modelling, simulation and decisions in distribution networks. He published the results of his scientific work at national and international conferences, including the IFAC and IASTED conferences. Jakub Novak also took share in preparation of the book "Digital Self-Tuning Controllers: Algorithms, Implementation and Application“, Control&Signal Processing, Textbook Series Edition, Springer-Verlag London.

In my opinion, PhD student has reached several interesting results during his research work. He worked independently and gather the information for his work mostly from foreign literature. On December 8th, 2006 he presented the results of his research work in the PhD internal defence on Faculty of Applied Informatics. There were no fundamental critical suggestions to the results.

PhD student fulfil the assignment of the dissertation work. It is worth noting that problems mentioned in the thesis have not been addressed yet at our department of process control. Thus the results of the thesis can become the base for future research. I appreciate that Jakub Novak wrote his PhD thesis in English, which improves its accessibility for international scientific community.

PhD student have proved that he is capable of independent scientific research. I recommend him to publish results of his PhD thesis at other international IFAC or IEEE conferences and then to prepare a contribution to the international scientific journal.

In Zlin, April 30th, 2007


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supervisor